

UNIVERSITY OF LOUISIANA AT LAFAYETTE

CHEM. 108 Spring-2008

(ID # 201948, Sect. 003)

Webpage: <http://www.ucla.edu/~ssm3124>

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Lecture: 11:00 am – 12:15 pm TR, in 103 MY

Office Hours: 10:00 – 11:30 am MW, 9:30 – 10:30 am T and by appointment.

Required Materials:

1. Chang, R. General Chemistry: The Essential Concepts, Fifth Edition, McGraw Hill Publishers, New York, NY, 2008.
2. A scientific calculator for all lectures and its instruction manual for certain operations.

Prerequisite: In order to enroll in Chem. 108, a passing grade in Chem. 107 must have been attained.

Course Coverage*:

January 22 - 29:	Chapter 12: Intermolecular Forces and Liquids and Solids
January 31:	Chapter 13: Physical Properties of Solutions
February 4 – 6	NO Classes (Mardi Gras Holiday)
February 7:	Cont. Chapter 13: Physical Properties of Solutions
February 12-19:	Chapter 14: Chemical Kinetics
Thursday, February 21:	Hour Exam 1 (Chapters 12-14)
February 26-March 4:	Chapter 15: Chemical Equilibrium
March 6 - 18:	Chapter 16: Acids and Bases
Thursday, March 20:	Hour Exam 2 (Chapters 14 - 16)
March 21 – 30:	NO Classes (Easter Holidays & Spring Break)
April 1 - 8:	Chapter 17: Acid-Base Equilibria and Solubility Equilibria
April 10-17:	Chapter 18: Thermodynamics
April 22:	Chapter 19: Redox Reactions and Electrochemistry
Thursday, April 24:	Hour Exam 3 (Chapters 17 & 18)
April 29 & May 1:	Cont. Chapter 19: Redox Reactions and Electrochemistry
May 6 & 8:	Chapter 21: Nuclear Chemistry & Review

Monday, May 12 (2:00 - 4:20 pm): FINAL EXAM (Comprehensive covering Chapters 12-19 & 21)

* Dates may change

Examinations:

Thursday, February 21:	Hour Exam 1 (Chapters 12-14)
Thursday, March 20:	Hour Exam 2 (Chapters 14 - 16)
Thursday, April 24:	Hour Exam 3 (Chapters 17 & 18)
Monday, May 12 (2:00 - 4:20 pm):	FINAL EXAM (Comprehensive Exam. covering all topics in this course; Chapters 12-19 & 21, attendance at the final is mandatory!)

THERE ARE NO MAKE-UP EXAMINATIONS. If an hour examination (other than the final examination) is missed for any reason, the score on that examination will be the single examination score that is not counted in the final grade. If two or more examinations are missed, it is unlikely that a passing grade will be received in the course, and it is highly recommended that the student withdraw from the course. In the event a student is absent on the day an hour exam is given and the absence is excused (sickness, death in the family) for a verifiable university recognized reason, arrangements must be discussed individually to make-up the exam within **TWO days**. The excuse must be given to me in writing and signed by the student. If an absence is unexcused, a zero will be given for the exam missed. Only one test may be made-up this way.

Test Methods: Multiple choices, “fill in the blanks”, short essay style, calculations and chemical equation analysis.

Grading:

	<u>% of course grade</u>	<u>Grade Scale</u>
Three Hour Exams*	60%	A: 100-90%
(ONLY the score of the better two tests will be counted; score of the lowest one hour exam will be dropped from your average)		B: 89-80%
Final Exam	40%	C: 79-70%
		D: 69-60%
		F: < 60
(Two one hour exams + final exam)	100%	

Complaints: All grading complaints must be brought to my attention within **Two days** of return of the graded material in order to receive adjustment. These should be placed in writing and submitted on paper.

Drops:

The last day to drop a class with a grade of “W” is **Thursday, April 17, 2008**.

Attendance: Students must attend one of the first two class sessions to secure enrollment. Attendance at other lectures is strongly encouraged and it is required only in the days of examinations. Roll is not taken and attendance is not required but poor attendance in these courses has usually resulted in low grades. In addition to the assigned reading in the text, the student is responsible for all material presented in lecture. Also, *students must be sure that their cell phones are OFF before coming to the class.*

Academic Misconduct & Cheating: Cheating, dishonesty, plagiarism or deception in fulfilling requirements will not be tolerated. Penalties include failing the course and referral to university judiciaries. The penalty of cheating on an examination is a grade of zero on that examination. That score will not be dropped when determining the final grade. Students are expected not share a calculator during an exam. Calculators used on an exam must have only a single display and must display numbers only; no programmable calculators are allowed!! Electronic communication devices such as cell phones and calculators with infrared communication ports are not permitted in the test room during examinations. Their presence will be considered evidence of cheating.

Assigned Problems for Chem 108: The following problems are *recommended* from your textbook. However, you should work as many related problems from your text as you can. Some questions deal with general concepts, which you should be able to explain when you have finished the chapter. Other problems are for developing good skills and should be worked as you are reading the chapter. Ideas in these problems are often reworded for discussion questions on exams. These homework problems are assigned for each chapter, but are not collected. They are intended as an aid in studying.

Chapter 12: 9, 10, 12, 14, 15, 18, 21, 28, 29, 41, 59, 62, 75, 86, 88, 90, 92.

Chapter 13: 2, 6-10, 15-17, 21, 25, 35, 37, 40, 46, 49, 54, 55, 63, 69-71, 74, 80, 85, 90.

Chapter 14: 6, 12, 15, 17, 18, 24, 27, 33, 34, 36, 64, 78, 79, 100, 101.

Chapter 15: 8, 9, 13-15, 17, 22, 24, 30, 37, 38, 43, 44, 48, 52, 61, 68, 72, 81.
Chapter 16: 4, 5, 16, 17, 20, 22, 34-36, 42, 45, 65, 74, 76.
Chapter 17: 1-4, 6, 7-9, 17, 19, 29, 34-36, 38, 44, 48, 80-83.
Chapter 18: 10, 12, 14, 17-20, 26, 28, 30, 32, 59, 62, 64, 78.
Chapter 19: 1, 2, 12, 16, 21, 22, 24, 26, 30, 32, 46, 52, 54.
Chapter 21: 5, 6, 14, 19, 20, 23, 55.